

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX082019\
 Data File : VX011718.D
 Acq On : 21 Aug 2019 05:08
 Operator : JC/SP
 Sample : K4388-23
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T4-B1-(2)

Quant Time: Aug 21 05:59:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	375024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	502172	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	468405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	212782	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	184872	53.16	ug/l	0.00
Spiked Amount			Recovery	=	106.32%	
35) Dibromofluoromethane	5.49	113	158321	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
50) Toluene-d8	8.71	98	564511	55.16	ug/l	0.00
Spiked Amount			Recovery	=	110.32%	
62) 4-Bromofluorobenzene	11.13	95	207076	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	

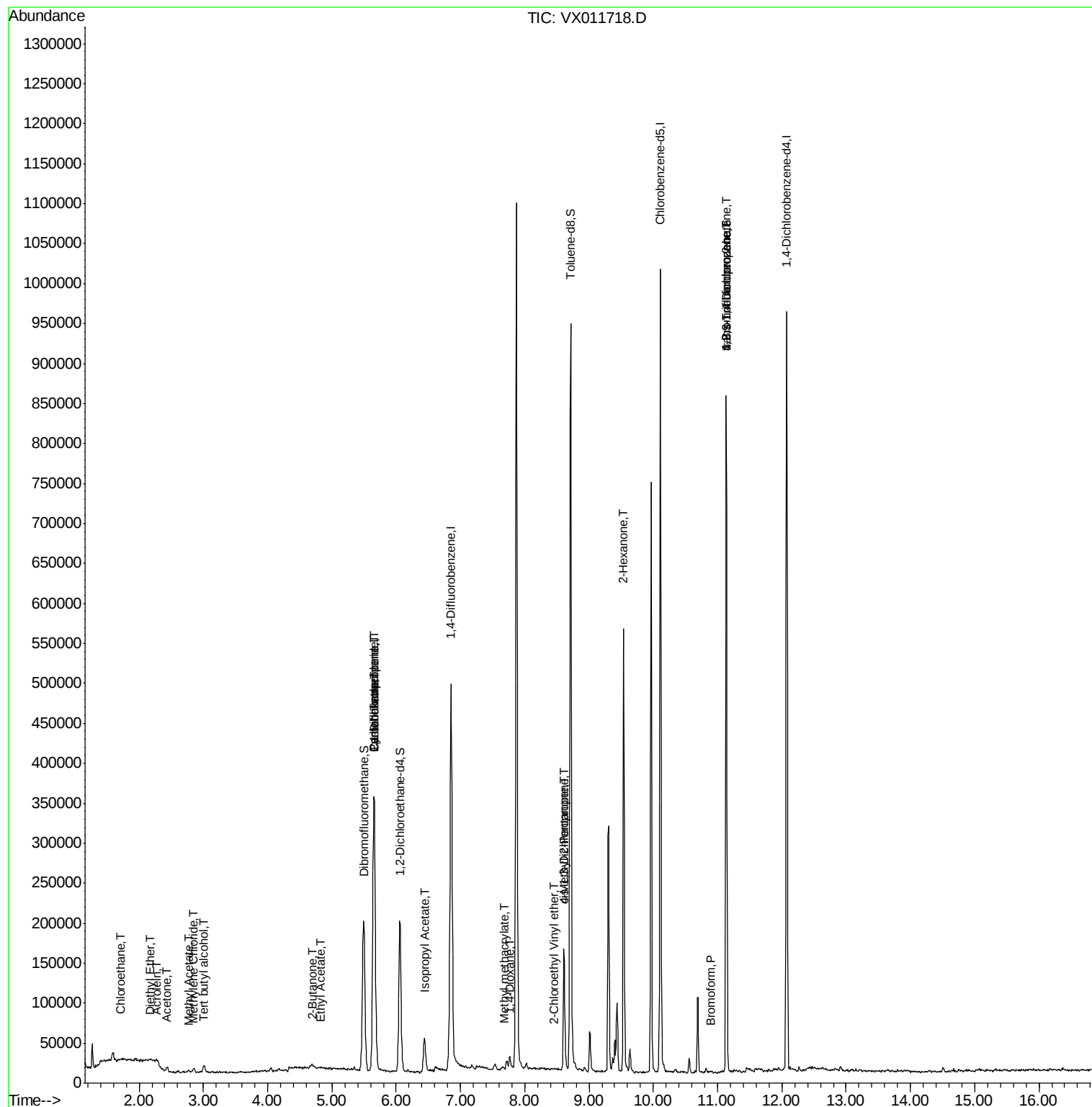
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	482	0.294	ug/l #	88
8) Diethyl Ether	2.17	74	392	0.239	ug/l	86
11) Tert butyl alcohol	3.01	59	4823	5.653	ug/l #	83
13) Acrolein	2.28	56	851	15.267	ug/l #	39
16) Acetone	2.43	43	7011	4.009	ug/l	93
18) Methyl Acetate	2.77	43	3437	0.634	ug/l #	78
20) Methylene Chloride	2.85	84	2786	0.759	ug/l	91
25) 2-Butanone	4.69	43	1354	0.493	ug/l #	76
31) Cyclohexane	5.65	56	4852	0.941	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	21270	4.954	ug/l #	51
37) Ethyl Acetate	4.82	43	1074	0.217	ug/l #	73
38) Carbon Tetrachloride	5.65	117	32775	6.929	ug/l #	16
43) Isopropyl Acetate	6.44	43	60429	7.841	ug/l	99
48) Methyl methacrylate	7.68	41	3301	0.865	ug/l #	22
49) 1,4-Dioxane	7.76	88	317	3.123	ug/l #	65
51) 4-Methyl-2-Pentanone	8.61	43	53403	10.586	ug/l #	53
54) cis-1,3-Dichloropropene	8.61	75	25241	5.005	ug/l #	66
58) 2-Chloroethyl Vinyl ether	8.45	63	530	0.202	ug/l	93
59) 2-Hexanone	9.54	43	66108	16.994	ug/l #	52
71) Bromoform	10.90	173	177	3.337	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	99003	24.537	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	99003	64.992	ug/l #	11

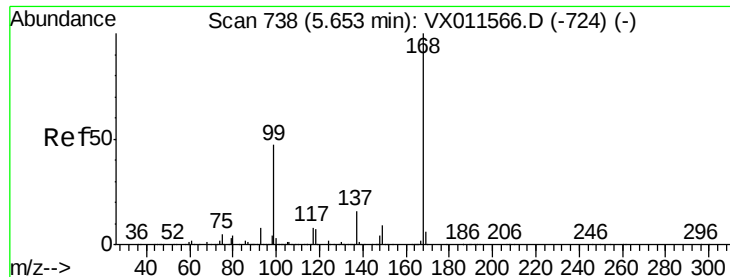
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX082019\
Data File : VX011718.D
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Instrument :
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ClientSampleId :
T4-B1-(2)

Quant Time: Aug 21 05:59:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011718.D

Acq: 21 Aug 2019 05:08

Instrument :

MSVOA_X

ClientSampled :

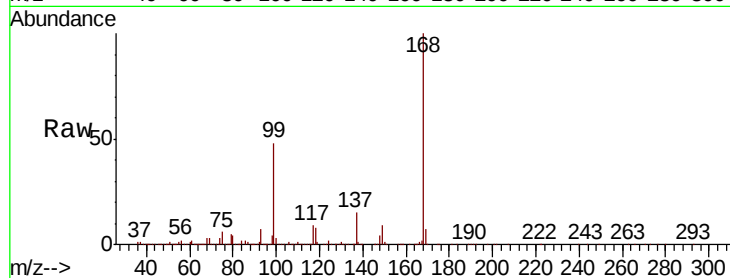
T4-B1-(2)

Tgt Ion:168 Resp: 375024

Ion Ratio Lower Upper

168 100

99 47.9 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

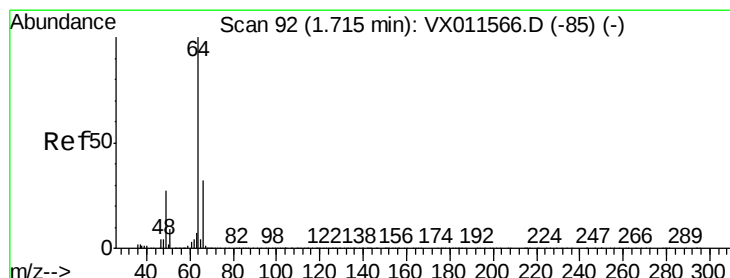
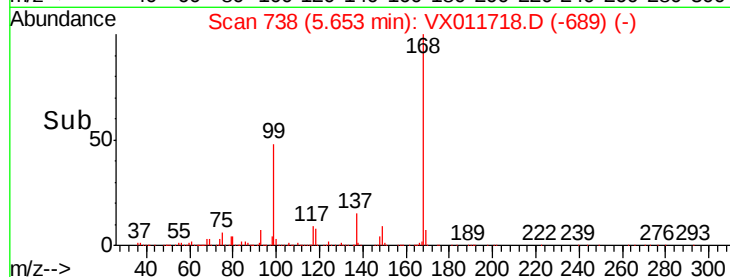
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.294 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011718.D

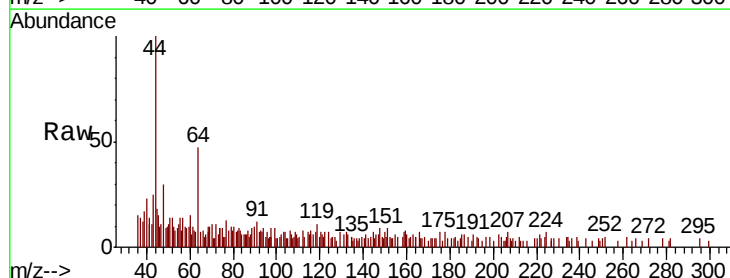
Acq: 21 Aug 2019 05:08

Tgt Ion: 64 Resp: 482

Ion Ratio Lower Upper

64 100

66 25.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

1000

800

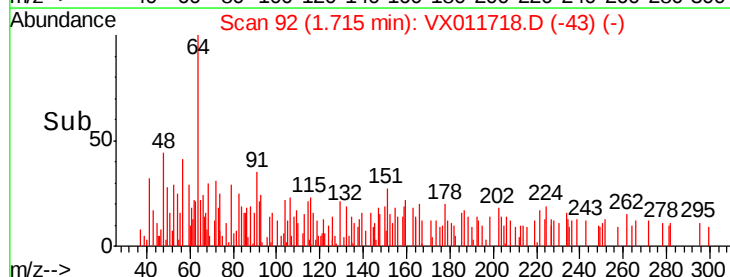
600

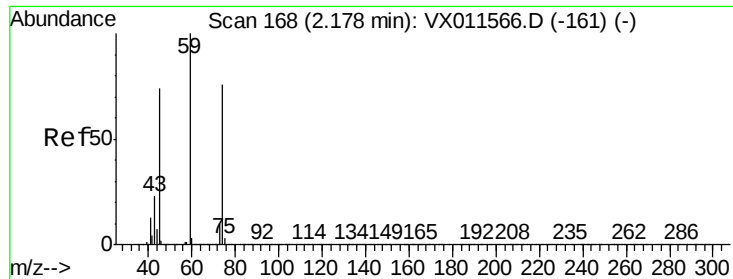
400

200

0

Time-->

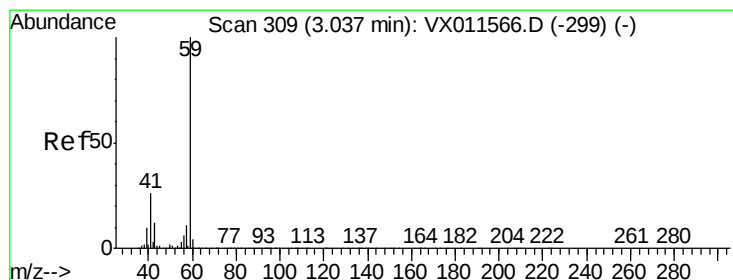
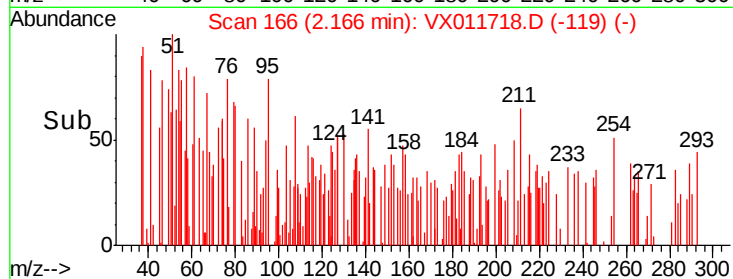
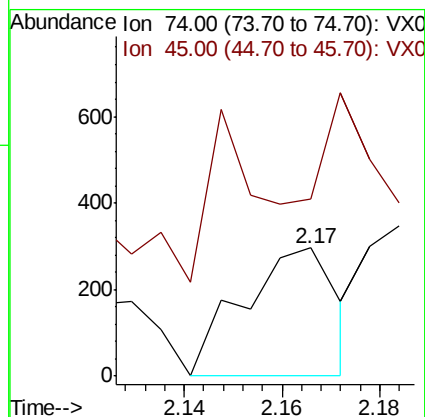
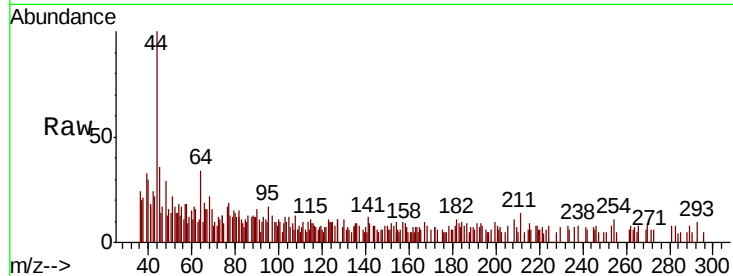




#8
Diethyl Ether
Concen: 0.239 ug/l
RT: 2.17 min Scan# 166
Delta R.T. -0.01 min
Lab File: VX011718.D
Acq: 21 Aug 2019 05:08

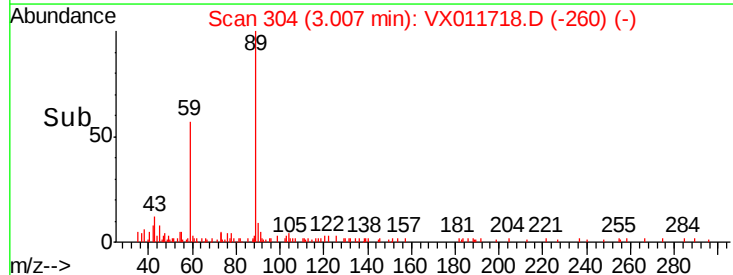
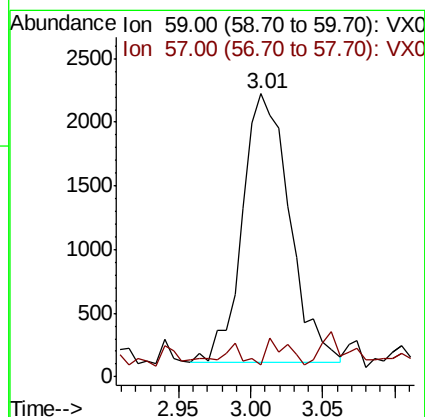
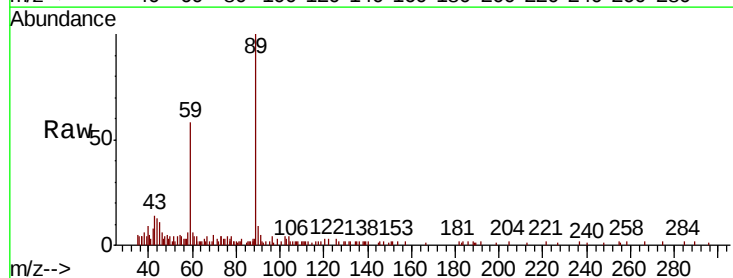
Instrument :
MSVOA_X
ClientSampled :
T4-B1-(2)

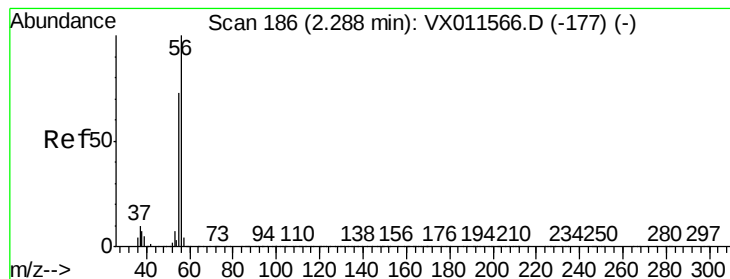
Tgt Ion: 74 Resp: 392
Ion Ratio Lower Upper
74 100
45 110.5 48.2 144.6



#11
Tert butyl alcohol
Concen: 5.653 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011718.D
Acq: 21 Aug 2019 05:08

Tgt Ion: 59 Resp: 4823
Ion Ratio Lower Upper
59 100
57 4.3 8.7 13.1#





#13

Acrolein

Concen: 15.267 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX011718.D

Acq: 21 Aug 2019 05:08

Instrument :

MSVOA_X

ClientSampled :

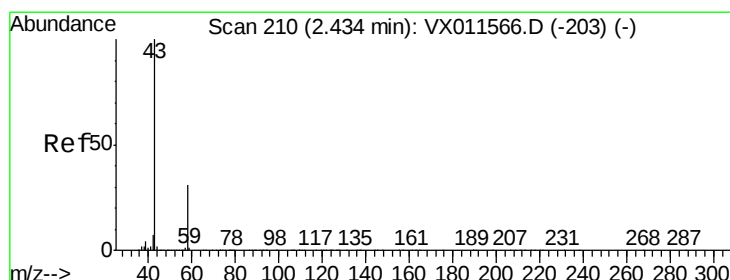
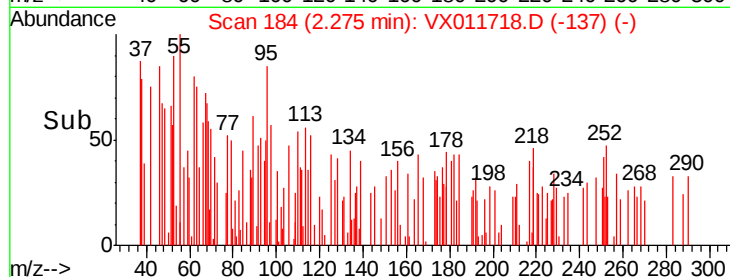
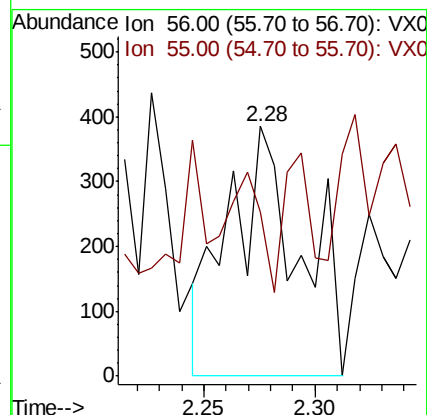
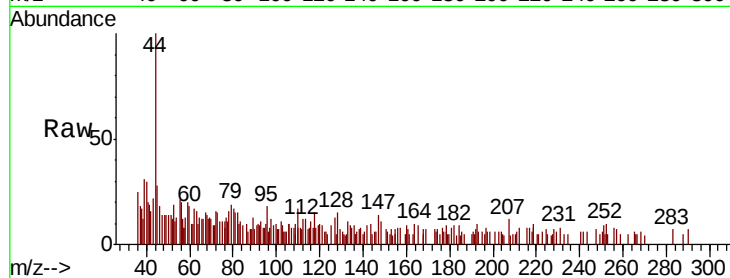
T4-B1-(2)

Tgt Ion: 56 Resp: 851

Ion Ratio Lower Upper

56 100

55 19.3 55.5 83.3#



#16

Acetone

Concen: 4.009 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011718.D

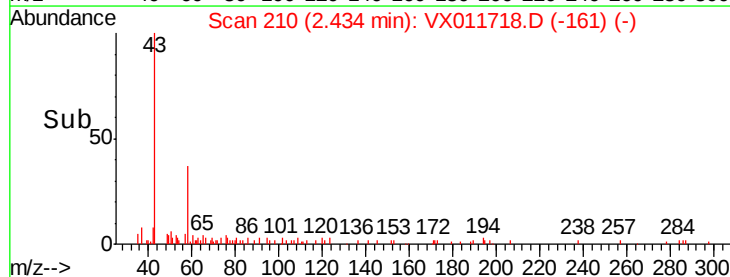
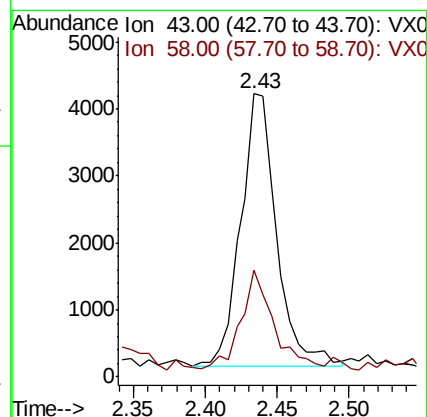
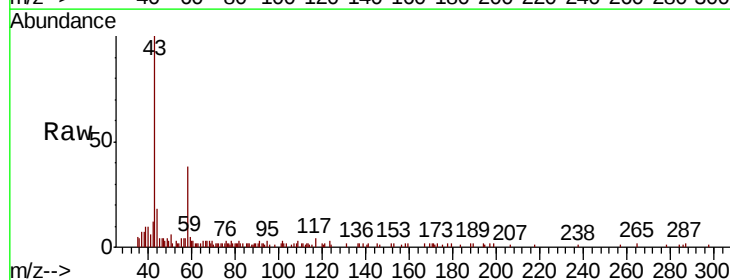
Acq: 21 Aug 2019 05:08

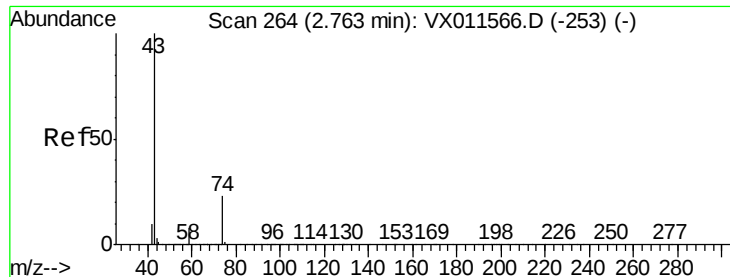
Tgt Ion: 43 Resp: 7011

Ion Ratio Lower Upper

43 100

58 35.6 25.2 37.8

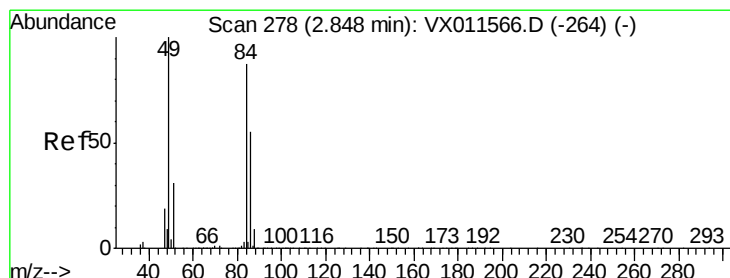
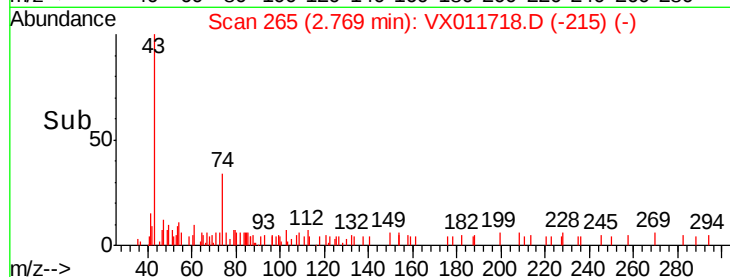
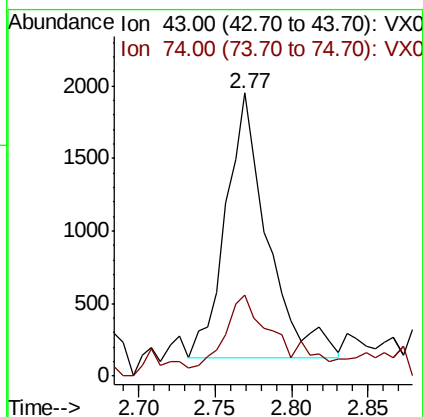
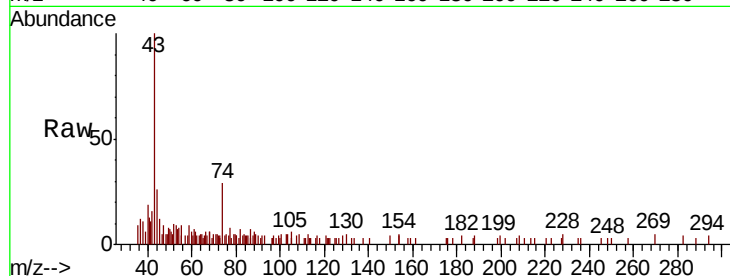




#18
Methyl Acetate
Concen: 0.634 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011718.D
Acq: 21 Aug 2019 05:08

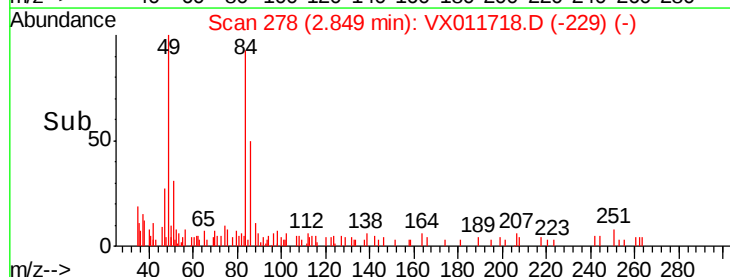
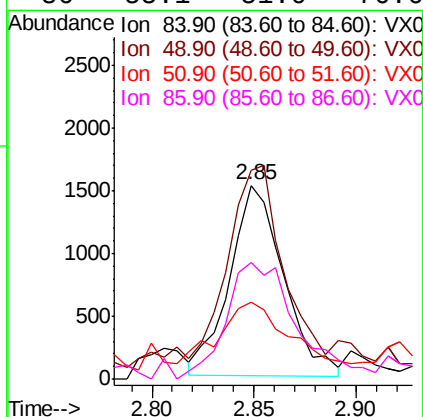
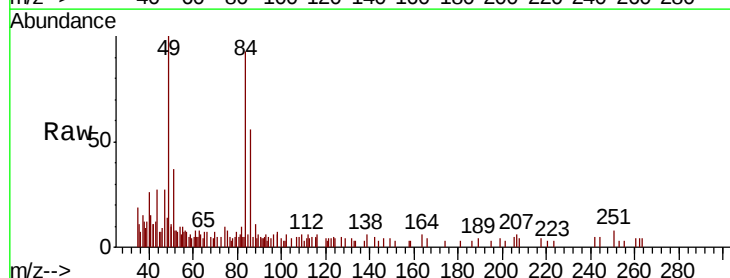
Instrument :
MSVOA_X
ClientSampleId :
T4-B1-(2)

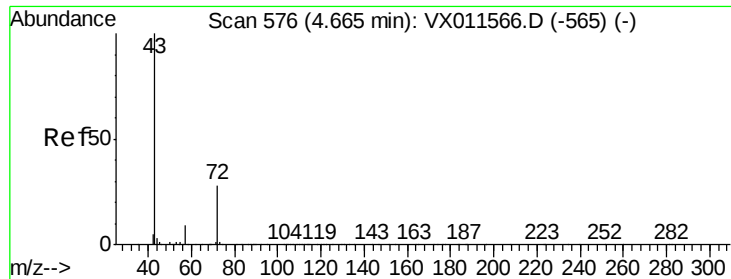
Tgt Ion: 43 Resp: 3437
Ion Ratio Lower Upper
43 100
74 35.8 19.7 29.5#



#20
Methylene Chloride
Concen: 0.759 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011718.D
Acq: 21 Aug 2019 05:08

Tgt Ion: 84 Resp: 2786
Ion Ratio Lower Upper
84 100
49 105.7 92.4 138.6
51 33.6 28.5 42.7
86 55.1 51.0 76.6





#25

2-Butanone

Concen: 0.493 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX011718.D

Acq: 21 Aug 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

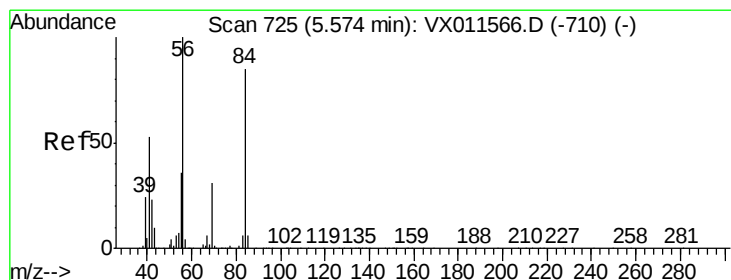
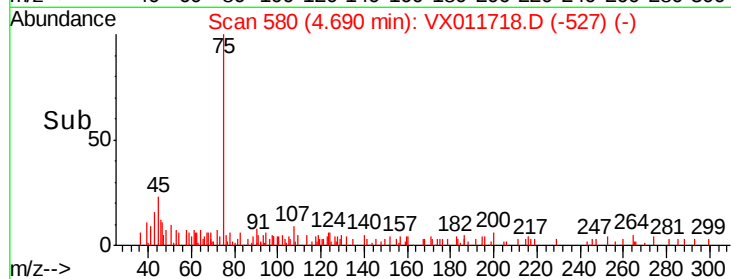
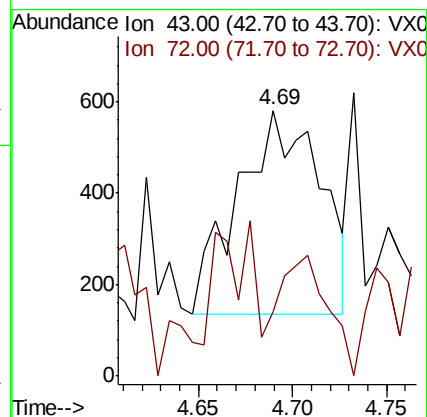
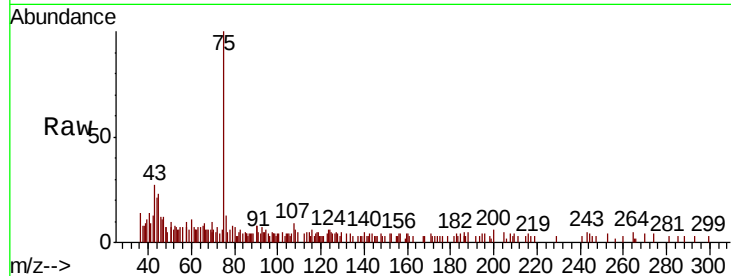
T4-B1-(2)

Tgt Ion: 43 Resp: 1354

Ion Ratio Lower Upper

43 100

72 15.2 22.2 33.4#



#31

Cyclohexane

Concen: 0.941 ug/l

RT: 5.65 min Scan# 737

Delta R.T. 0.07 min

Lab File: VX011718.D

Acq: 21 Aug 2019 05:08

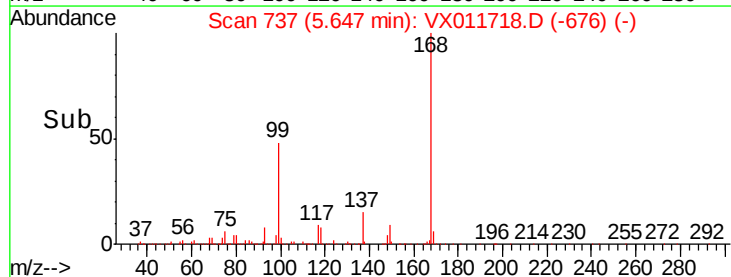
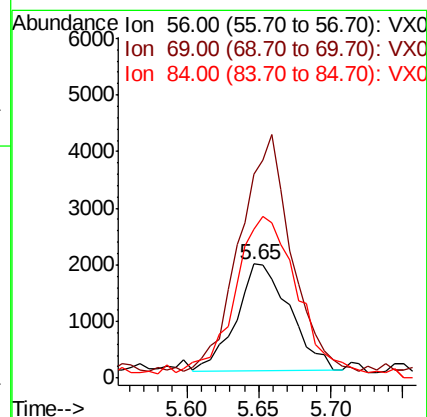
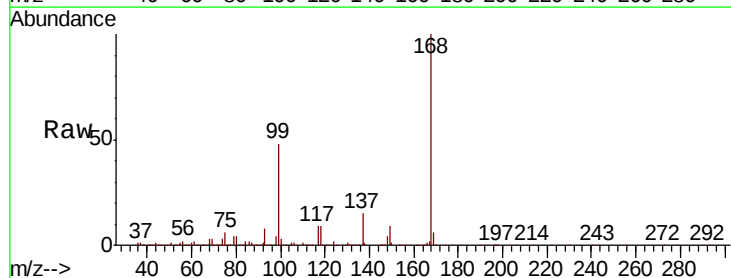
Tgt Ion: 56 Resp: 4852

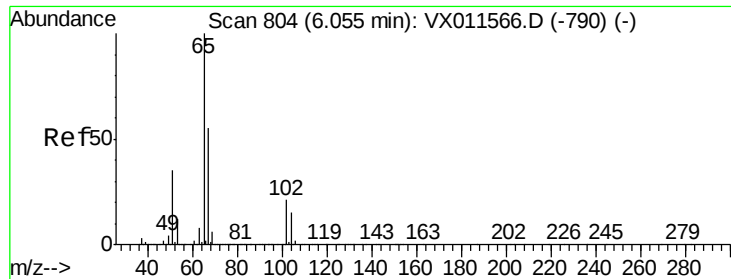
Ion Ratio Lower Upper

56 100

69 181.6 24.8 37.2#

84 125.3 67.9 101.9#





#33

1,2-Dichloroethane-d4

Concen: 53.157 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011718.D

Acq: 21 Aug 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

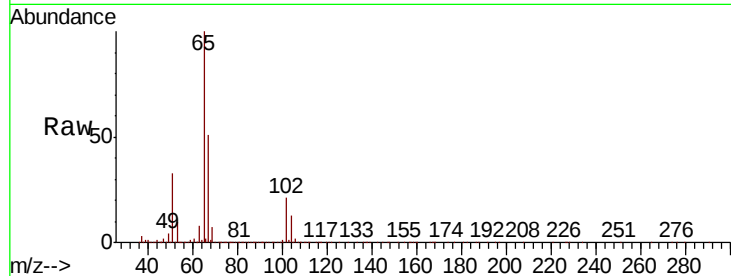
T4-B1-(2)

Tgt Ion: 65 Resp: 184872

Ion Ratio Lower Upper

65 100

67 52.2 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

80000

60000

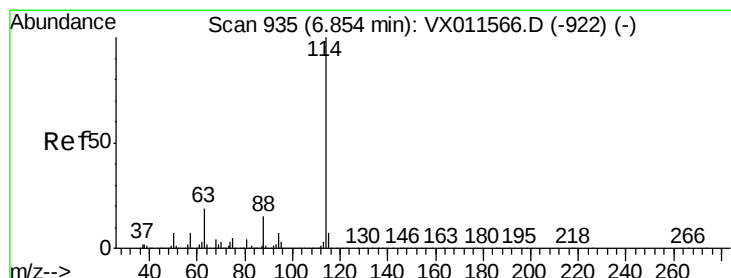
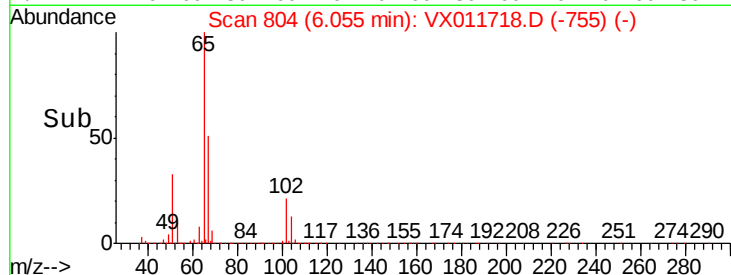
40000

20000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011718.D

Acq: 21 Aug 2019 05:08

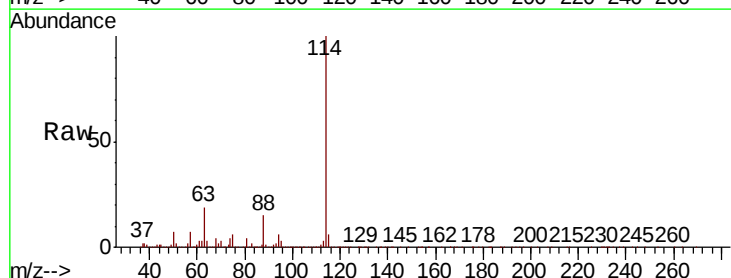
Tgt Ion: 114 Resp: 502172

Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.8

88 15.3 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

300000

250000

200000

150000

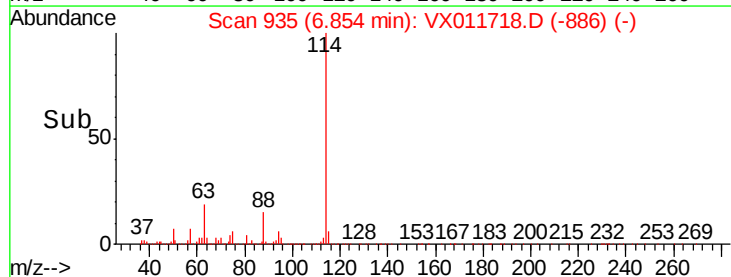
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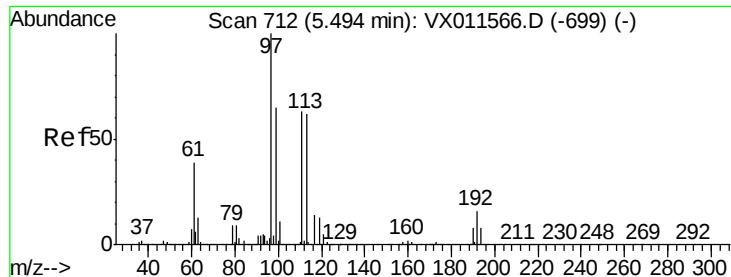
50000

0

Time-->

6.80 6.90 7.00

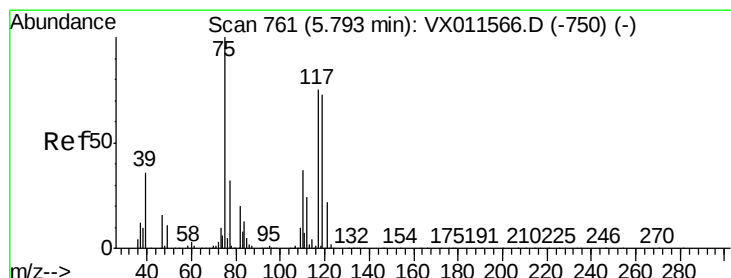
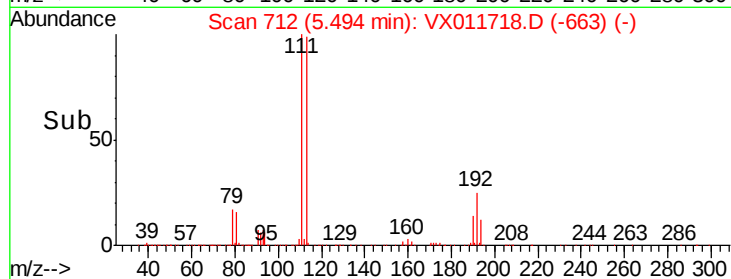
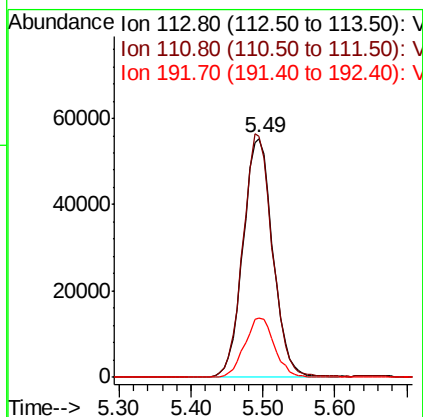
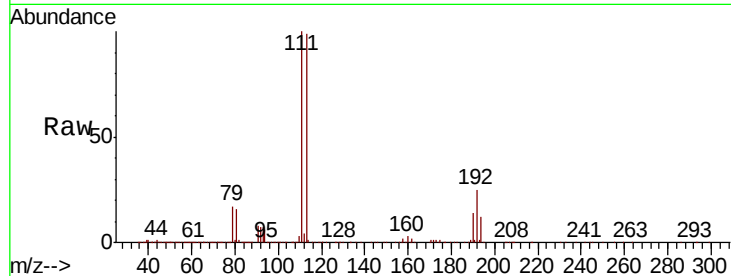




#35
Dibromofluoromethane
Concen: 48.202 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX011718.D
Acq: 21 Aug 2019 05:08

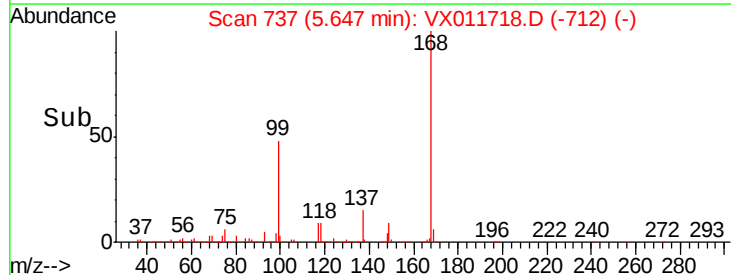
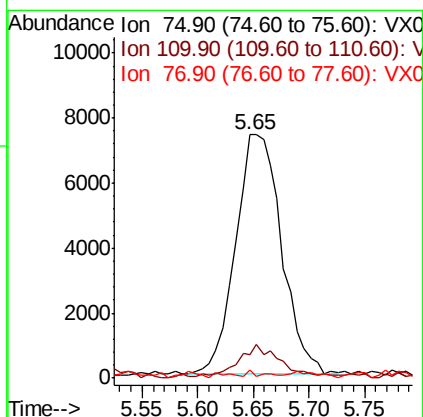
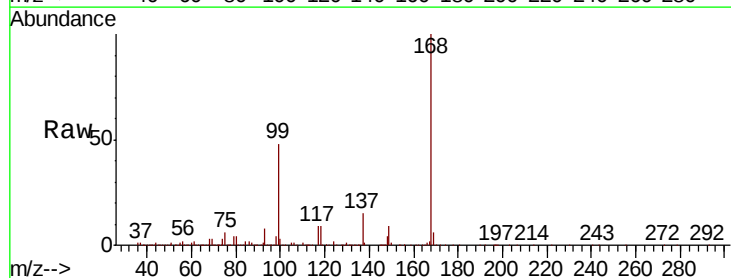
Instrument :
MSVOA_X
ClientSampleId :
T4-B1-(2)

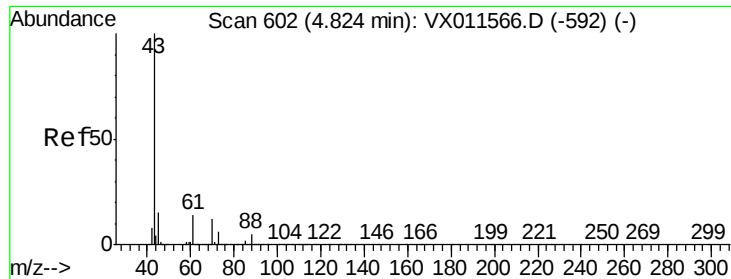
Tgt Ion:113 Resp: 158321
Ion Ratio Lower Upper
113 100
111 100.1 81.1 121.7
192 25.1 20.8 31.2



#36
1,1-Dichloropropene
Concen: 4.954 ug/l
RT: 5.65 min Scan# 737
Delta R.T. -0.15 min
Lab File: VX011718.D
Acq: 21 Aug 2019 05:08

Tgt Ion: 75 Resp: 21270
Ion Ratio Lower Upper
75 100
110 12.6 19.4 58.1#
77 0.3 25.1 37.7#

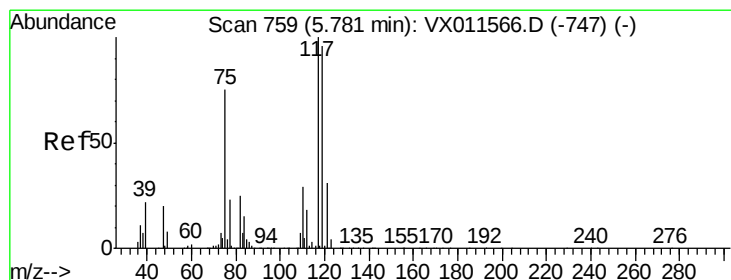
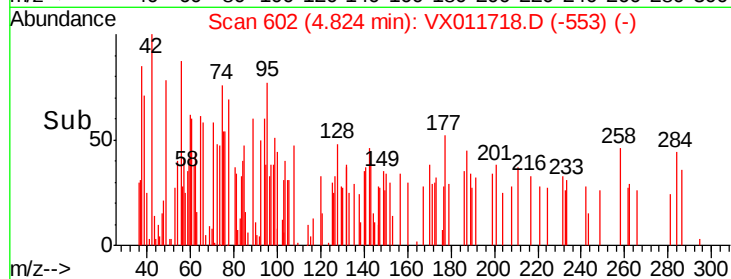
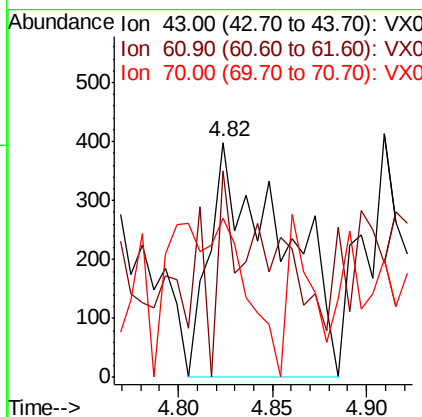
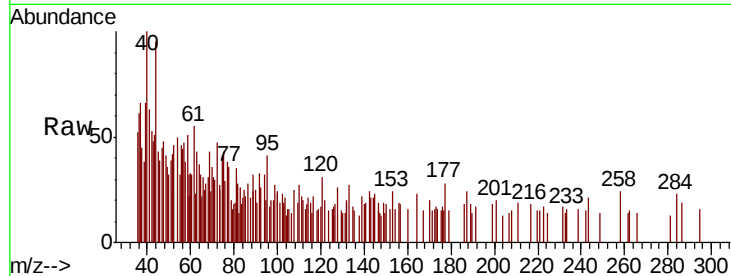




#37
 Ethyl Acetate
 Concen: 0.217 ug/l
 RT: 4.82 min Scan# 602
 Delta R.T. 0.00 min
 Lab File: VX011718.D
 Acq: 21 Aug 2019 05:08

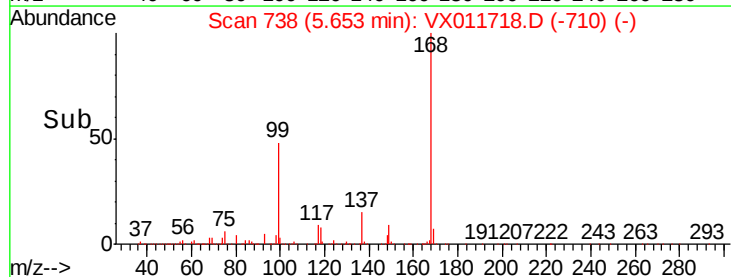
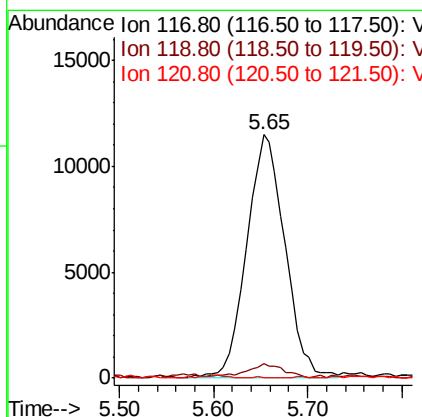
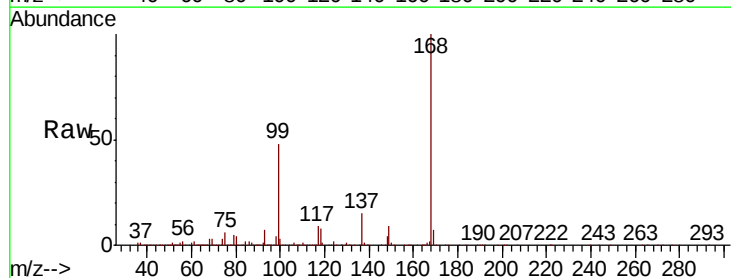
Instrument :
 MSVOA_X
 ClientSampleId :
 T4-B1-(2)

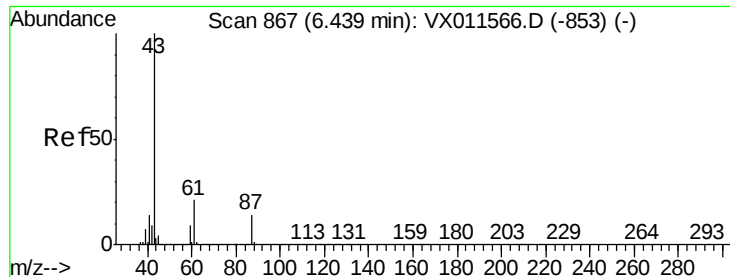
Tgt Ion: 43 Resp: 1074
 Ion Ratio Lower Upper
 43 100
 61 24.7 11.4 17.0#
 70 0.0 9.0 13.6#



#38
 Carbon Tetrachloride
 Concen: 6.929 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX011718.D
 Acq: 21 Aug 2019 05:08

Tgt Ion: 117 Resp: 32775
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.9 115.3#
 121 0.0 24.8 37.2#





#43

Isopropyl Acetate

Concen: 7.841 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011718.D

Acq: 21 Aug 2019 05:08

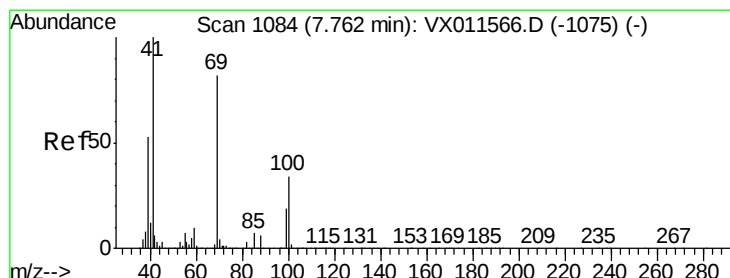
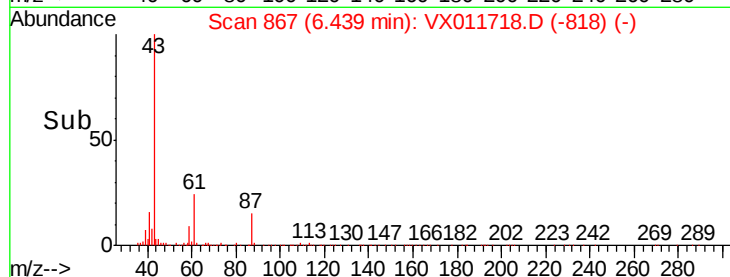
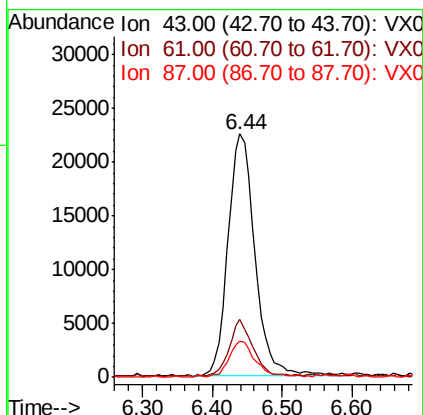
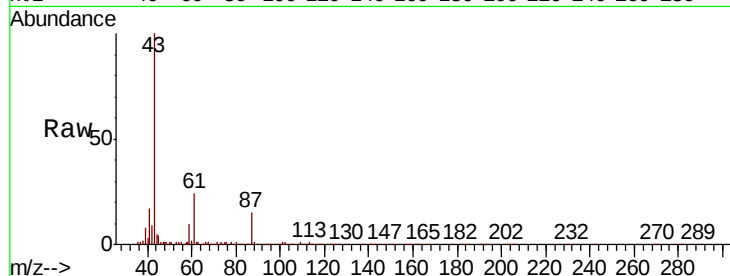
Instrument :

MSVOA_X

ClientSampleId :

T4-B1-(2)

Tgt Ion:	43	Resp:	60429
Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.6	24.8
87	14.8	11.4	17.2



#48

Methyl methacrylate

Concen: 0.865 ug/l

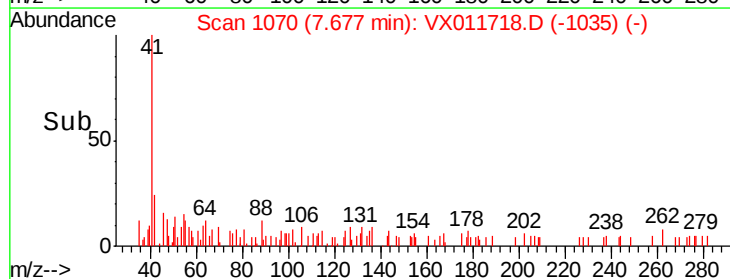
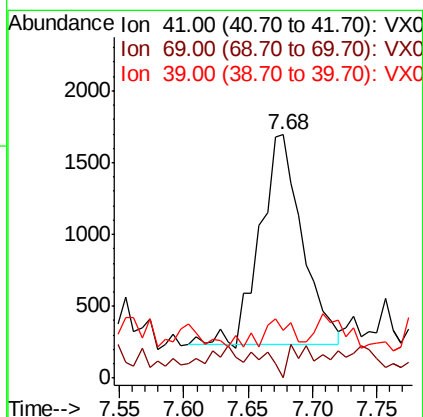
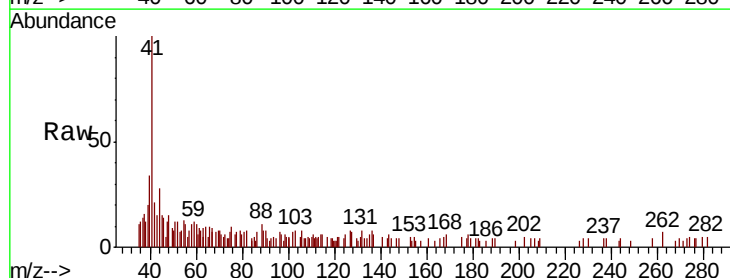
RT: 7.68 min Scan# 1070

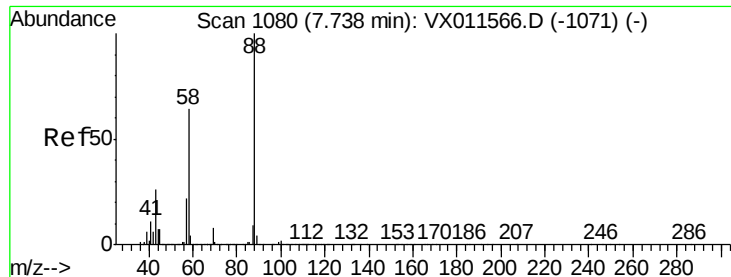
Delta R.T. -0.09 min

Lab File: VX011718.D

Acq: 21 Aug 2019 05:08

Tgt Ion:	41	Resp:	3301
Ion	Ratio	Lower	Upper
41	100		
69	11.1	67.9	101.9#
39	0.0	41.6	62.4#

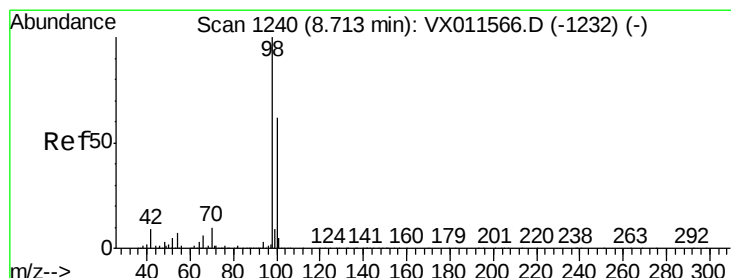
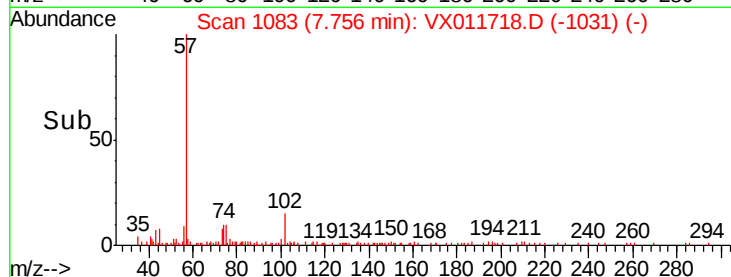
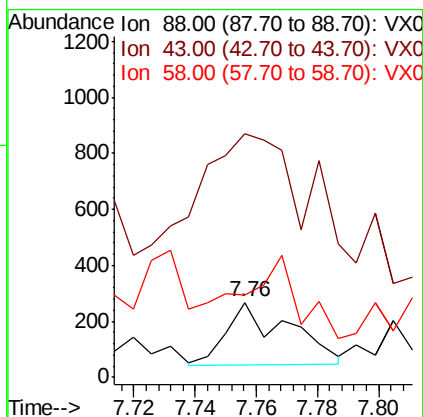
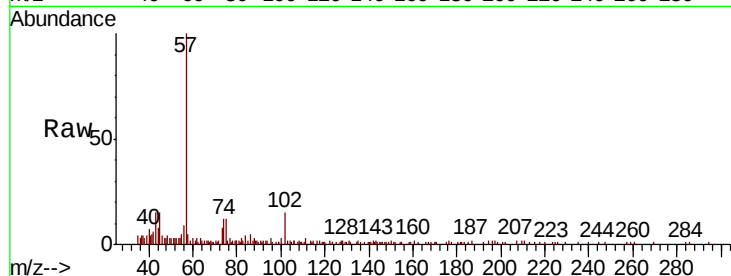




#49
1,4-Dioxane
Concen: 3.123 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VX011718.D
Acq: 21 Aug 2019 05:08

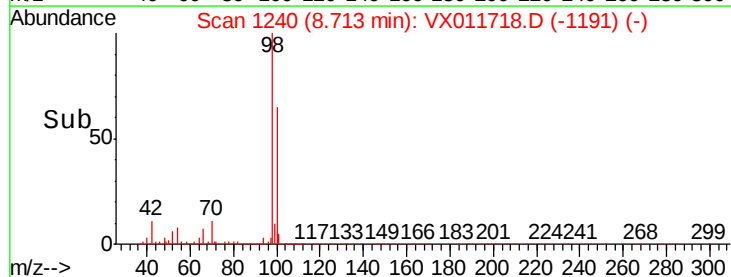
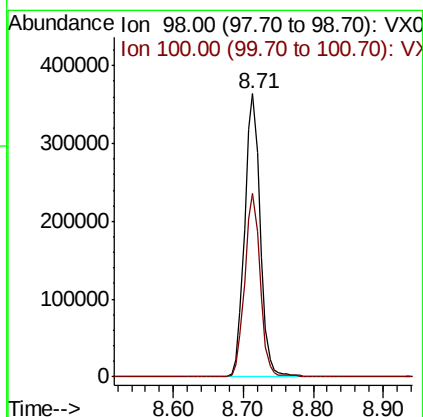
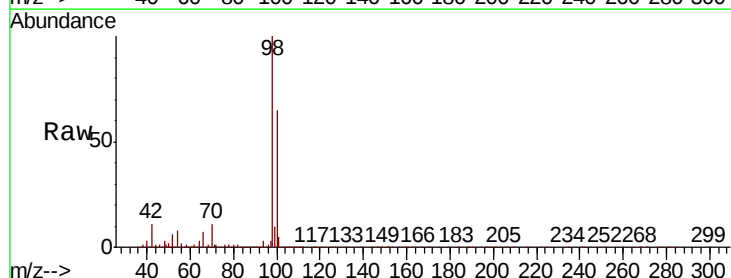
Instrument :
MSVOA_X
ClientSampled :
T4-B1-(2)

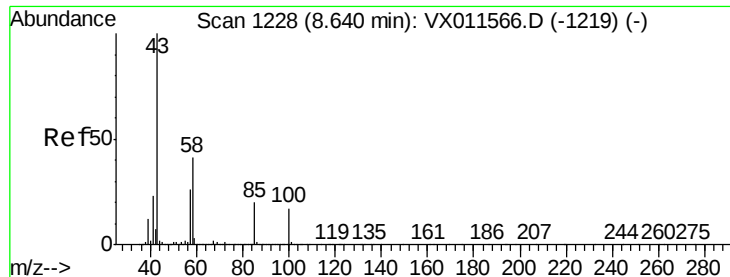
Tgt Ion: 88 Resp: 317
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.0#
58 89.3 54.3 81.5#



#50
Toluene-d8
Concen: 55.159 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011718.D
Acq: 21 Aug 2019 05:08

Tgt Ion: 98 Resp: 564511
Ion Ratio Lower Upper
98 100
100 64.5 52.4 78.6

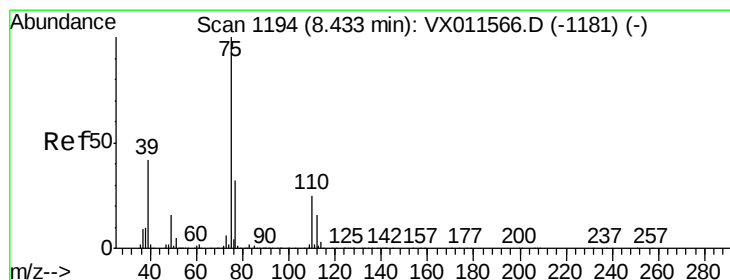
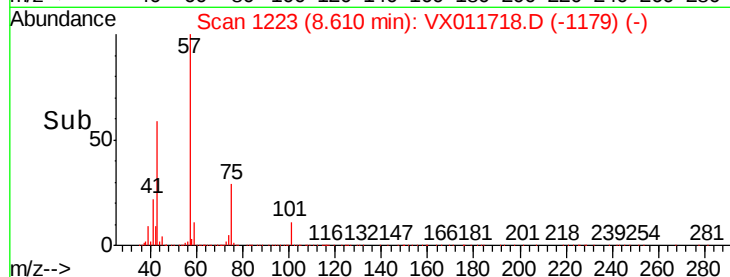
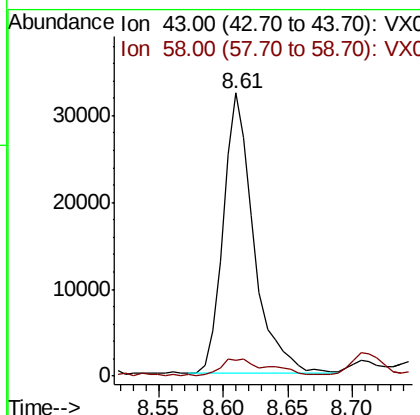
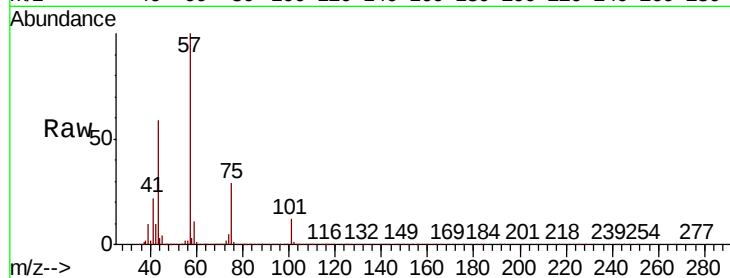




#51
 4-Methyl-2-Pentanone
 Concen: 10.586 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. -0.03 min
 Lab File: VX011718.D
 Acq: 21 Aug 2019 05:08

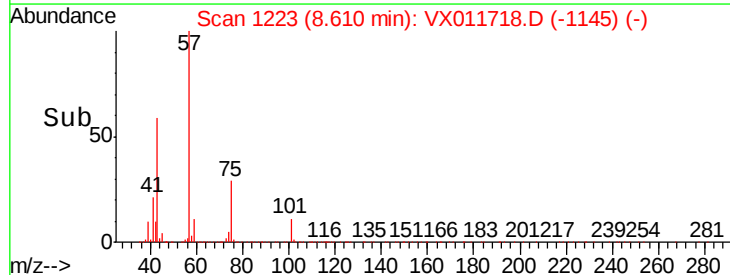
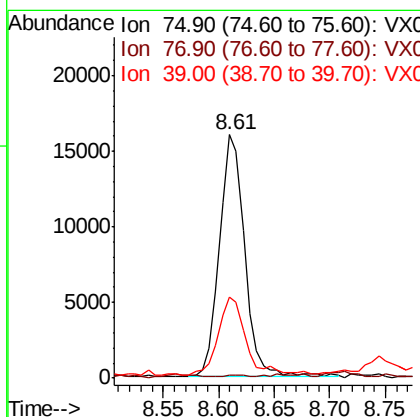
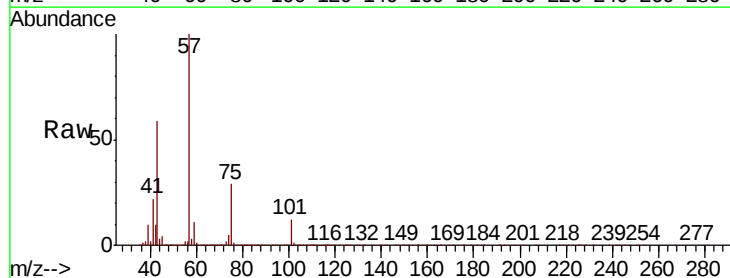
Instrument :
 MSVOA_X
 ClientSampleId :
 T4-B1-(2)

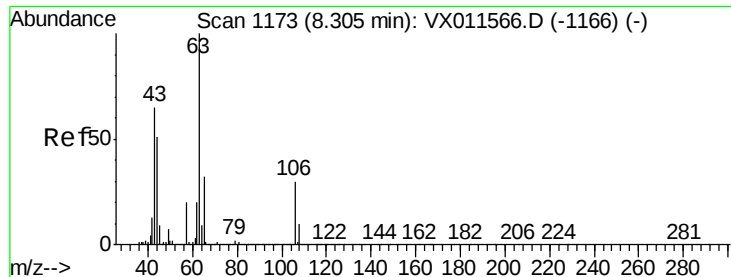
Tgt Ion: 43 Resp: 53403
 Ion Ratio Lower Upper
 43 100
 58 10.7 31.8 47.6#



#54
 cis-1,3-Dichloropropene
 Concen: 5.005 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011718.D
 Acq: 21 Aug 2019 05:08

Tgt Ion: 75 Resp: 25241
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 32.0 33.6 50.4#

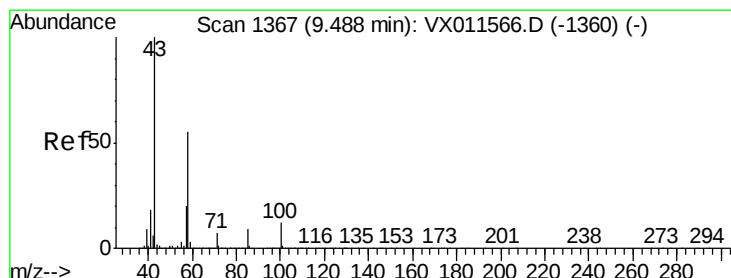
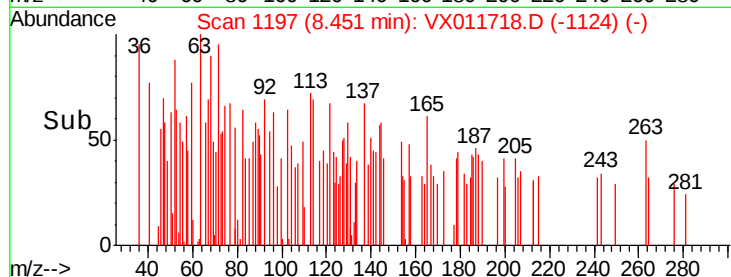
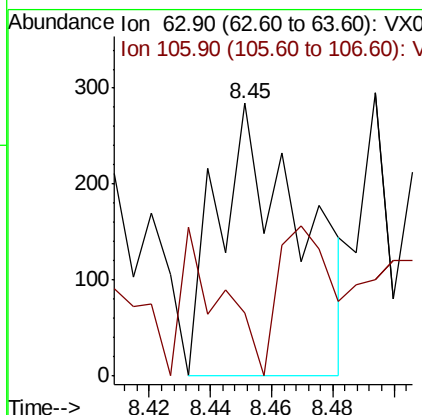
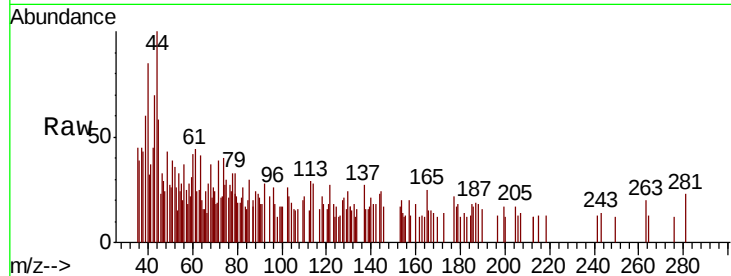




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.202 ug/l
 RT: 8.45 min Scan# 1197
 Delta R.T. 0.15 min
 Lab File: VX011718.D
 Acq: 21 Aug 2019 05:08

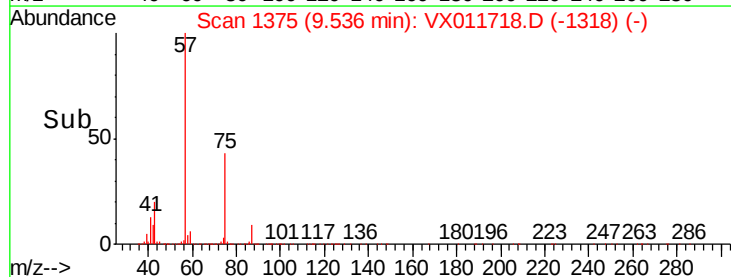
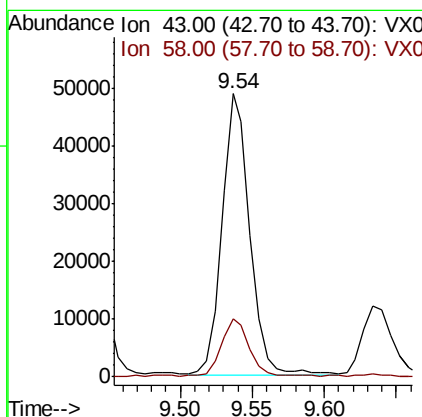
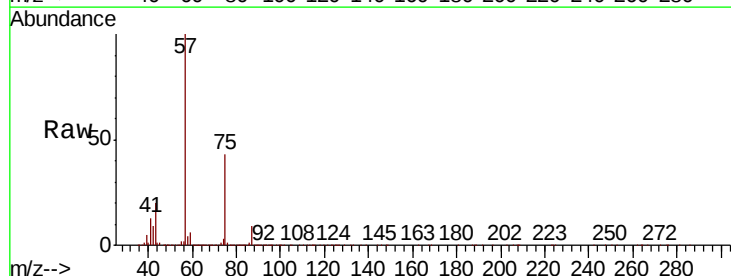
Instrument :
 MSVOA_X
 ClientSampleId :
 T4-B1-(2)

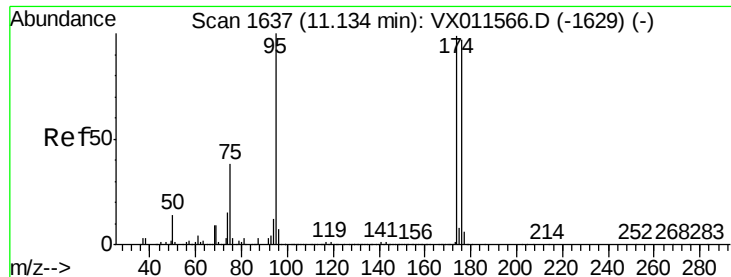
Tgt Ion: 63 Resp: 530
 Ion Ratio Lower Upper
 63 100
 106 34.7 24.7 37.1



#59
 2-Hexanone
 Concen: 16.994 ug/l
 RT: 9.54 min Scan# 1375
 Delta R.T. 0.05 min
 Lab File: VX011718.D
 Acq: 21 Aug 2019 05:08

Tgt Ion: 43 Resp: 66108
 Ion Ratio Lower Upper
 43 100
 58 20.3 27.5 82.4#





#62

4-Bromofluorobenzene

Concen: 47.938 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011718.D

Acq: 21 Aug 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

T4-B1-(2)

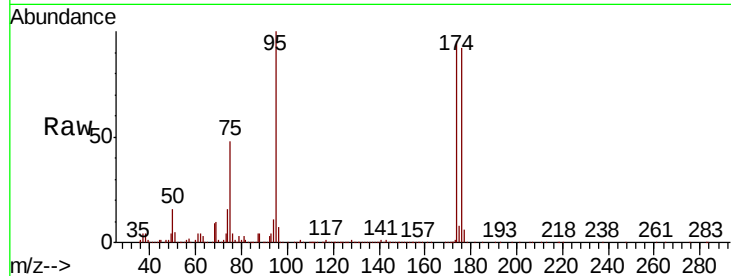
Tgt Ion: 95 Resp: 207076

Ion Ratio Lower Upper

95 100

174 98.9 0.0 200.6

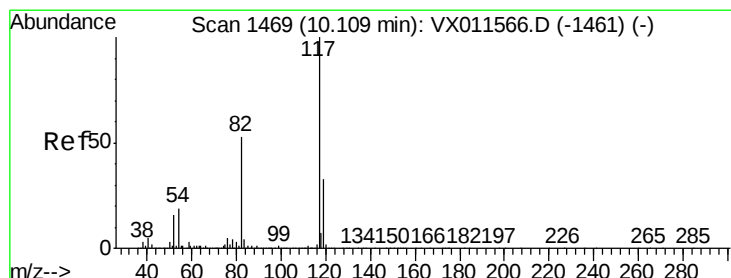
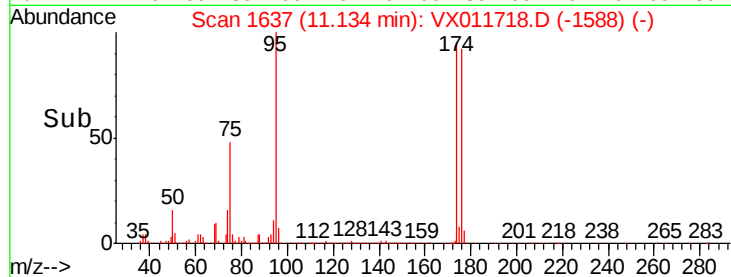
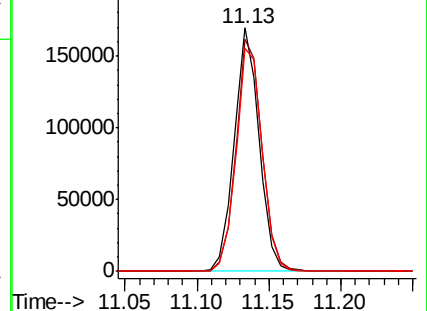
176 96.2 0.0 196.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011718.D

Acq: 21 Aug 2019 05:08

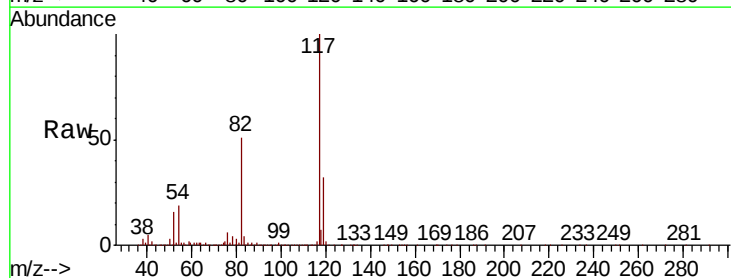
Tgt Ion: 117 Resp: 468405

Ion Ratio Lower Upper

117 100

82 51.2 42.0 63.0

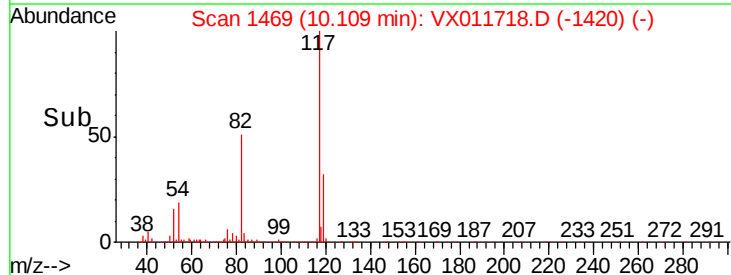
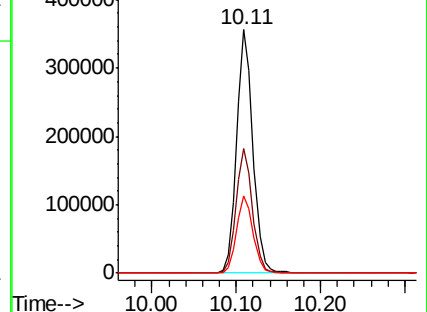
119 31.6 26.5 39.7

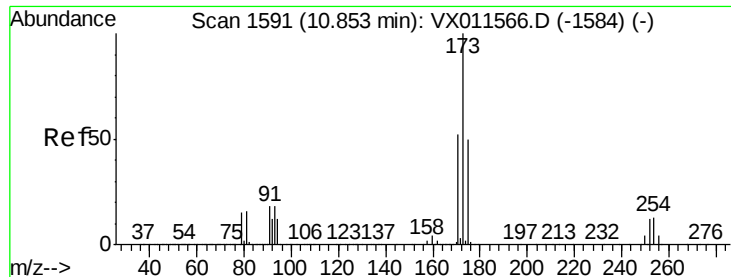


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 3.337 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.04 min

Lab File: VX011718.D

Acq: 21 Aug 2019 05:08

Instrument :

MSVOA_X

ClientSampled :

T4-B1-(2)

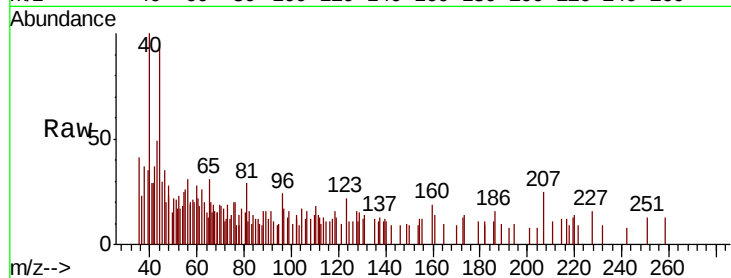
Tgt Ion:173 Resp: 177

Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.7#

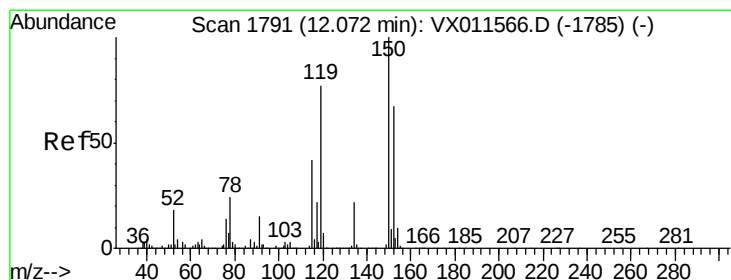
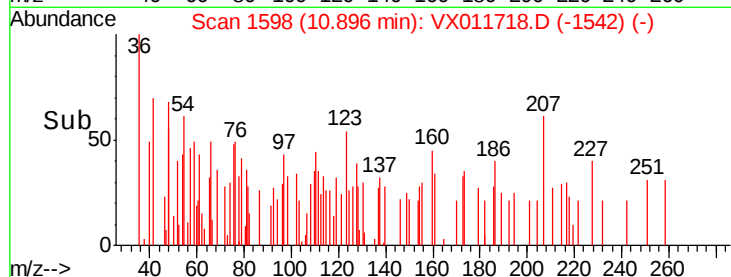
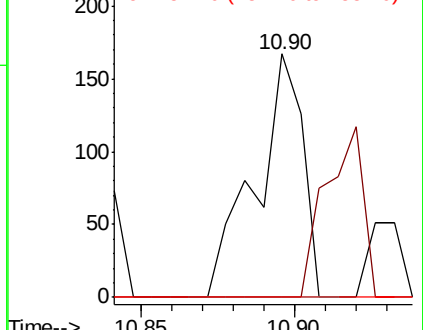
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011718.D

Acq: 21 Aug 2019 05:08

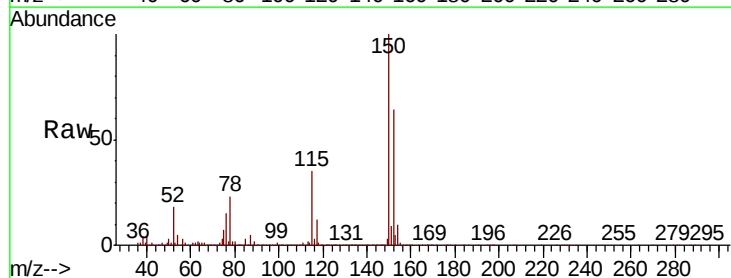
Tgt Ion:152 Resp: 212782

Ion Ratio Lower Upper

152 100

115 54.3 37.3 111.9

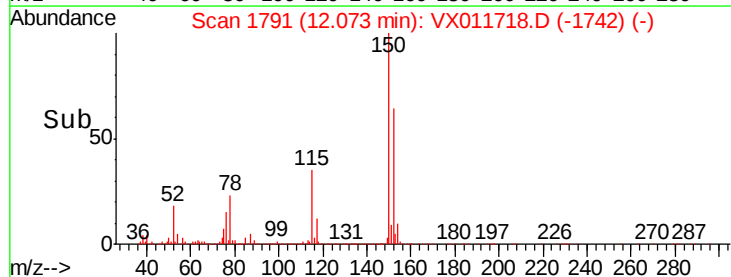
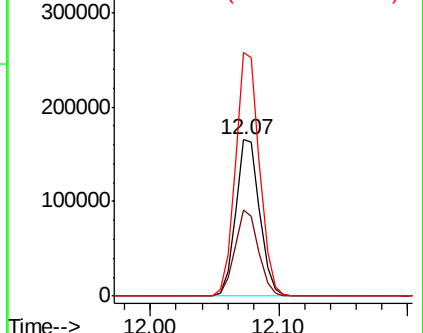
150 156.2 0.0 346.2

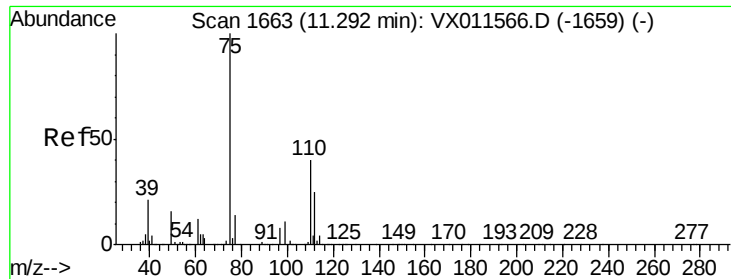


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.537 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011718.D

Acq: 21 Aug 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

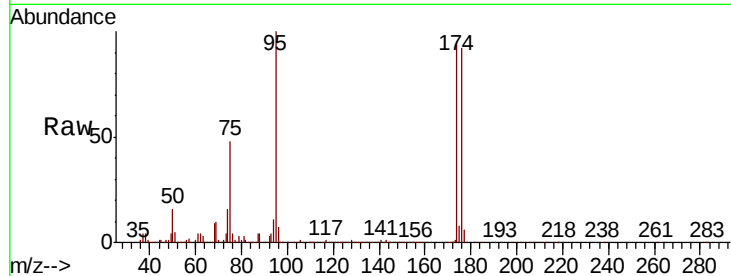
T4-B1-(2)

Tgt Ion: 75 Resp: 99003

Ion Ratio Lower Upper

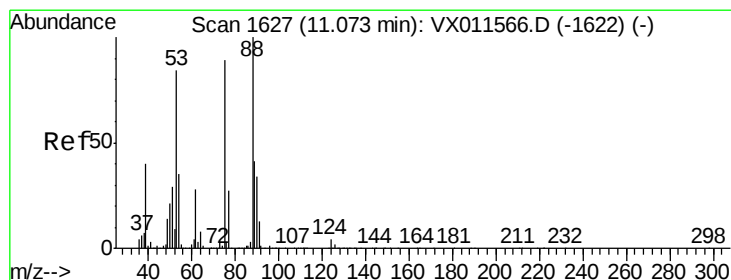
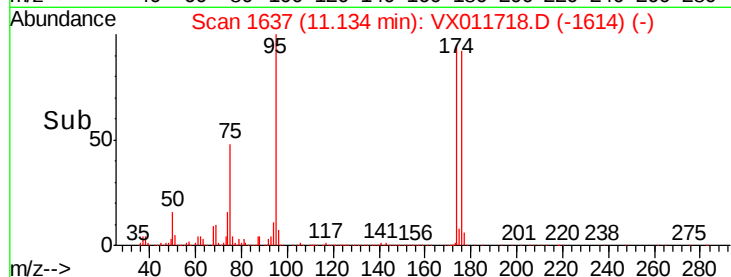
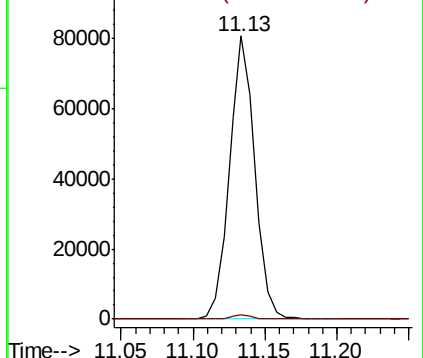
75 100

77 1.3 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 64.992 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011718.D

Acq: 21 Aug 2019 05:08

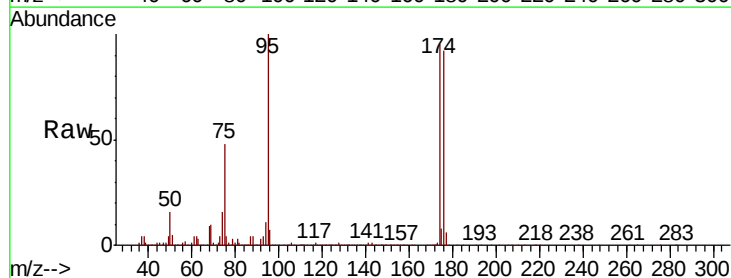
Tgt Ion: 75 Resp: 99003

Ion Ratio Lower Upper

75 100

53 0.3 77.4 116.0#

89 0.1 37.3 55.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

